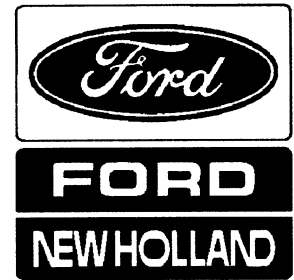


# VERSATILE

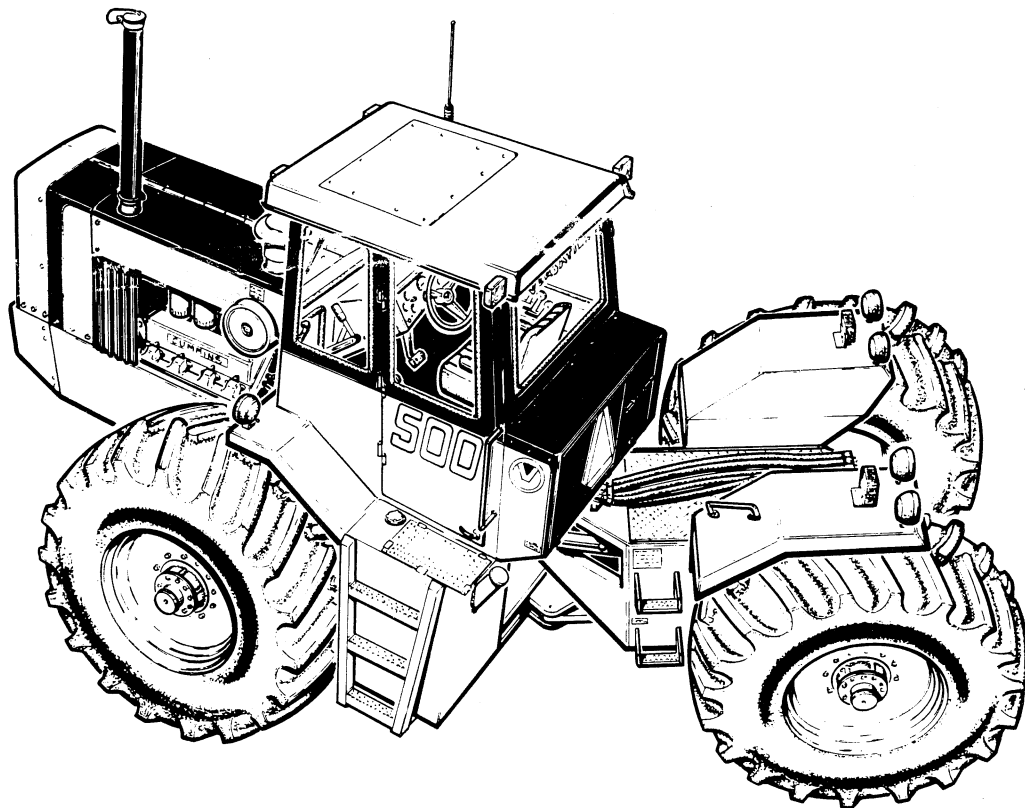
## Operator's Manual

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Tractor  
500

1979



## VERSATILE WARRANTY

VERSATILE MANUFACTURING LTD. (VERSATILE) warrants each item of new Versatile equipment sold by it to be free from defects in material and workmanship under normal use and service. The sole obligation of Versatile to the Dealer under this warranty is limited to repairing or replacing, as Versatile may elect, any part or parts that prove in Versatile's judgment to be defective in material or workmanship within one year after delivery to the original purchaser, under normal farm use. Such a defective part or parts will be replaced or repaired ONLY TO THE ORIGINAL PURCHASER, such repair or replacement will be done at the location of the selling Versatile Dealer. Purchaser must give written notice to the Authorized Dealer from whom equipment was purchased of any claimed defect and the Dealer will have a reasonable time under the circumstances then existing to repair or replace said part or parts found to be defective. It is understood that if there is any delay in giving such written notice wherein it is possible that the alleged defective part may have caused damage or defects to other parts of the equipment, then this warranty shall not cover the repairs necessitated therein.

**NOTE: THE SOLE REMEDY OF THE PURCHASER FOR BREACH OF THIS WARRANTY IS THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS.**

This warranty does not extend to the engine or tires on Versatile tractors which are manufactured by others, and which carry separate warranties from said manufacturers. There are no representations, warranties, or conditions express or implied, statutory or otherwise, except those herein contained and no agreement collateral otherwise, except those herein contained and no agreement collateral hereto shall be binding upon either party unless in writing hereon or attached hereto, signed by purchaser and accepted by Versatile at its head office.

Versatile's liability under this warranty is limited to the repairing or replacing of parts, and Versatile shall in no event be liable to the Purchaser for consequential damages or loss of profits on crops sustained by it as a result of any defect in material or workmanship on any of the equipment covered by this warranty.

Versatile equipment is warranted for agricultural use only. This Warranty does not cover industrial application. ALTERING, MODIFYING OR ADDING ADDITIONAL EQUIPMENT WHICH IS NOT APPROVED FOR INSTALLATION ON VERSATILE EQUIPMENT BY THE COMPANY WILL VOID THE WARRANTY.

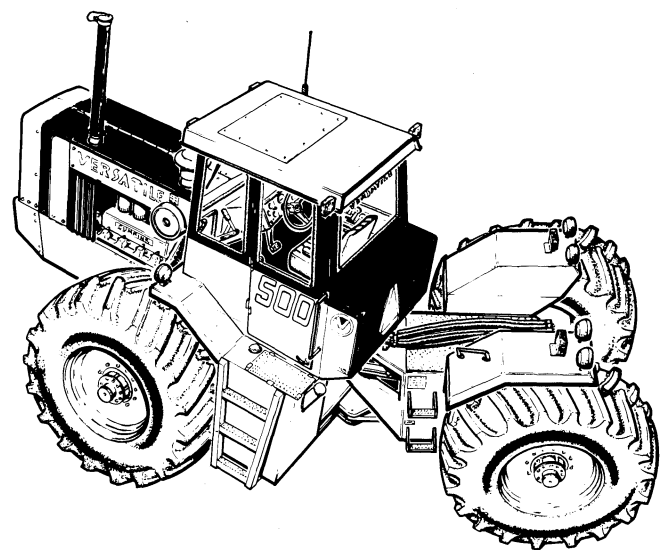
All Warranties are subject to the legislation of the state or province in which the machine is sold.

**\*THERE WILL BE NO DEVIATION FROM THE PROCEDURE AS OUTLINED\*.**

**NOTE: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE BY VERSATILE OR ITS AUTHORIZED DEALER, REGARDING VERSATILE EQUIPMENT EXCEPT THE WARRANTY AGAINST DEFECTS IN MATERIAL OR WORKMANSHIP EXPRESSED HEREIN. NO PERSON IS AUTHORIZED TO BIND VERSATILE FOR ANY OTHER WARRANTY WHATSOEVER.**

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## Serial Number Location

### IMPORTANT:

When ordering parts, state the serial number of the tractor and/or engine, whichever applies. The tractor serial number is stamped on the rear of the front frame section and also appears as a metal tag near Parking Brake Lever in the cab. The engine (Cummins) serial number is on a metal tag on engine's left-hand cylinder bank.

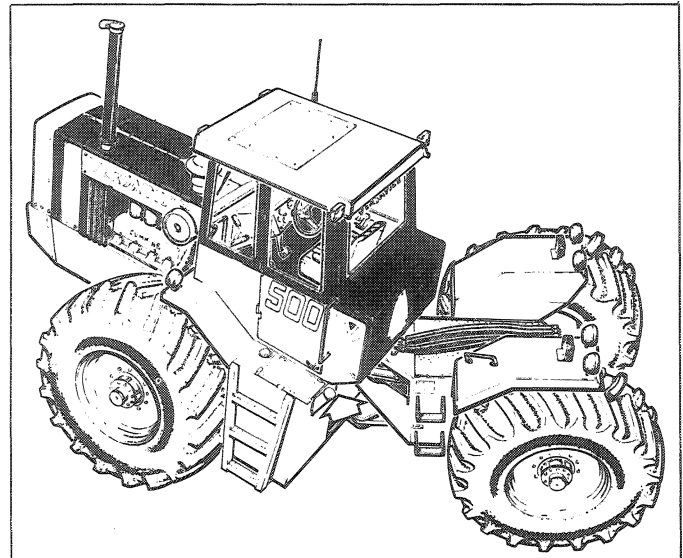
Write your model and serial number information here:

#### TRACTOR

MODEL                    500  
SERIAL \_\_\_\_\_

#### ENGINE

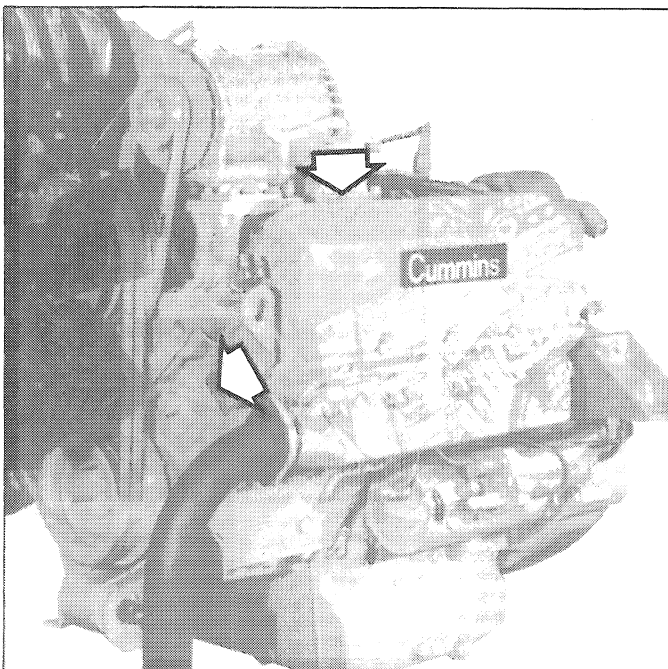
MAKE                    CUMMINS  
MODEL                   V504-C210  
SERIAL \_\_\_\_\_



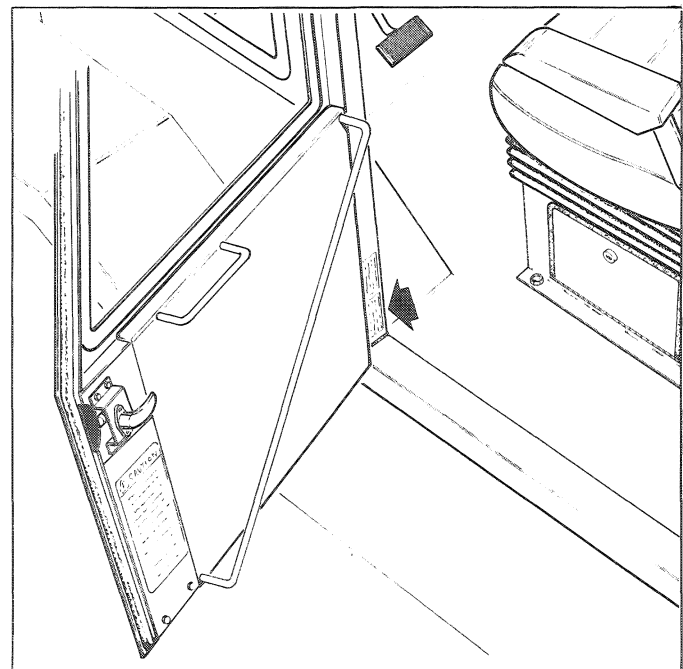
Frame Stamp

#### FRAME

SERIAL \_\_\_\_\_

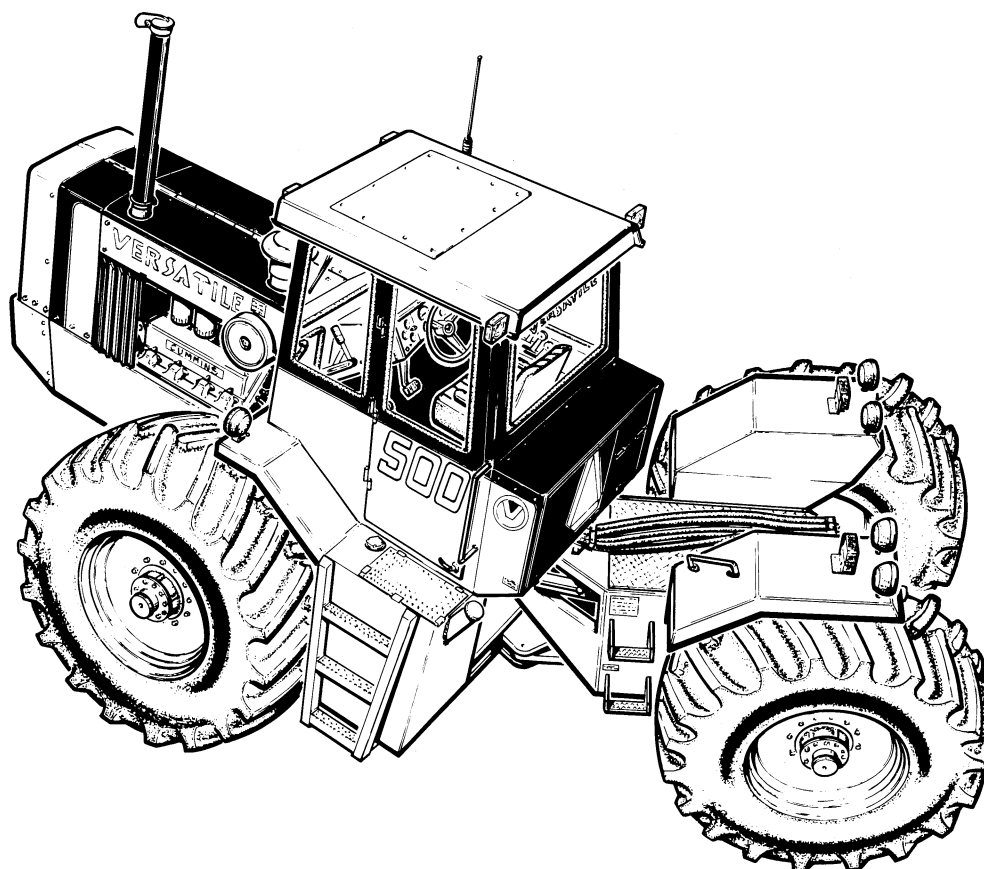


Engine Plate



Cab Plate

# VERSATILE 500 Tractor



## Introduction

We at VERSATILE Manufacturing Ltd. are pleased that you have chosen a VERSATILE Four-Wheel Drive Tractor for your farming operation. The founders of VERSATILE have pioneered the development of the four-wheel drive tractor for agricultural use. It has evolved through the ideas and suggestions which have been submitted to us by customers such as yourself.

We ask that you study this manual and adopt the preventative maintenance program outlined in it. Preventative maintenance will provide you with trouble free service for years to come. The suggested schedule has been designed to meet most operating conditions. It may be necessary to adjust your maintenance program to suit your specific operating conditions and to perform the maintenance more often than outlined.

As the purchaser of VERSATILE Four-Wheel Drive Tractor you have also received a Cummins' Operation and Maintenance Manual. We would ask that for maintenance on the engine which is not covered by our tractor manual, you follow the instructions outlined in the Cummins manual. Before placing the tractor in service become familiar with all the procedures described in both the engine manual and the tractor manual.

Review with all operators on a regular basis during the year, the proper and safe way in operating and maintaining the tractor. Any new operators should know the tractor completely before beginning operation.

Your dealer is factory trained to provide you with genuine parts and professional repair service. Consult him regarding your service needs. He is working for you.



Watch for this symbol. It identifies potential hazards to health or personal safety. It points out safety precautions. It means: ATTENTION - Be Alert. Your safety is involved.



## 1 Safety

Safety is an important factor in operating a farm. Safety helps to prevent accidents both physical and mechanical. It is the tractor owner's responsibility to ensure that all operators read and understand the contents of the Operator's Manual before operating or servicing the tractor. The operator should also be very familiar with the location and function of all controls and the safe and recommended operating limits as shown on the indicating devices. The operator should review the Operator's Manual at least yearly to remain familiar with the suggested operation procedures and maintenance.

The operators should know their limitation and capabilities. Physical, physiological and psychological factors are important in preventing human error type accidents which can cause injury and/or damage. Safety is everybody's business. By using safe working practices accidents can be prevented. Co-operation by all contributes to their own and other's safety. It is important to show concern for others by not permitting riders on or in tractors; keeping young children away from machines; staying clear of machines being operated by someone else; using hand signals to inform the operator to stop or start the tractor; disengaging and shutting off all powerdriven machinery and wearing seat belts in tractor cab at all times.

Safety is doing things right — not talking about it. Make safety a habit throughout the farming operation.

Before operating your VERSATILE tractor, be sure that ALL operators are familiar with the following information. Carefully study and read all safety rules through the book and make sure that all operators read and understand them.

These rules and recommendations, combined with good sense, will save your machine from needless damage and your operators from unnecessary exposure to personal hazards. Put safety first in all of your farming operations, and take special note of the safety precautions and warnings specified in the servicing procedures. Review these rules and cautions annually with every new and experienced operator.

**Operating instructions must be given to everyone before using this tractor and at least once a year thereafter in accordance with OSHA Regulations 1928.57.**

### SAFETY PRECAUTIONS

- BE SURE THAT EVERY OPERATOR IS FAMILIAR WITH THE MACHINE. DO NOT LET ANY UNAUTHORIZED DRIVER AT THE CONTROLS.
- MOUNT A FIRE EXTINGUISHER ON THE TRACTOR. MAINTAIN IT AND BE FAMILIAR WITH ITS USE.
- ALLOW ONLY ONE OPERATOR ON THE TRACTOR WHEN IT IS IN USE. NEVER ALLOW ANYONE TO RIDE ON THE DRAWBAR OR HITCH OR ANY OTHER PART OF THE TRACTOR.
- ALWAYS FASTEN YOUR SEAT BELT BEFORE STARTING THE ENGINE.
- ALWAYS START TRACTOR WITH RANGE SELECT IN NEUTRAL. BE SURE ALL OPERATING CONTROLS ARE IN NEUTRAL POSITIONS. THIS IS PARTICULARLY IMPORTANT DURING COLD WEATHER OPERATION.
- NEVER ATTEMPT TO START OR OPERATE THE TRACTOR EXCEPT FROM THE OPERATOR'S SEAT.
- ENSURE SEAT IS LOCKED IN A STRAIGHT FORWARD POSITION BEFORE OPERATING TRACTOR.
- DO NOT OIL, GREASE OR ADJUST TRACTOR WHILE IT IS IN MOTION. DO NOT LEAVE ENGINE RUNNING WHILE TRACTOR OR DRAWN EQUIPMENT IS BEING ADJUSTED, REPAIRED OR CLEANED.

- ENSURE HANDBRAKE IS SET WHEN TRACTOR IS STOPPED. TRACTOR CAN FREEWHEEL EVEN WHEN IN GEAR.
- NEVER OPERATE THE TRACTOR ENGINE IN A CLOSED GARAGE OR SHED.
- WHEN HITCHING ANY LOAD TO THE TRACTOR, ALWAYS HITCH TO THE DRAWBAR OR HITCH POINTS.
- WHEN HITCHING DRAWN EQUIPMENT TO THE DRAWBAR, BACK THE TRACTOR PAST THE CLEVIS THEN MOVE FORWARD SO THAT, IN MAKING THE CONNECTION, THE TRACTOR WILL BE MOVING AWAY FROM THE EQUIPMENT.
- SINCE LOOSE CLOTHES MIGHT CATCH IN MOVING PARTS, ALWAYS KEEP SLEEVES, JACKETS, OR OTHER CLOTHING RELATIVELY TIGHT AND BELTED.
- WHEN PULLING HEAVY TOWED LOADS AT ROAD SPEEDS, USE EXTREME CAUTION. AVOID HARD APPLICATIONS OF THE TRACTOR BRAKES AT HIGH SPEEDS.
- WHEN TRANSPORTING OR DRIVING THE TRACTOR ON A ROAD OR A HIGHWAY AT NIGHT OR DURING THE DAY, USE THE HAZARD WARNING FLASHER, UNLESS PROHIBITED BY LAW - CHECK WITH YOUR LOCAL AUTHORITIES. IMPLEMENTS SHOULD BE PROVIDED WITH SLOW MOVING VEHICLE SIGNS.
- BE SURE THE HEAD LIGHTS ARE ADJUSTED SO THEY WILL NOT BLIND THE OPERATOR OF AN ON-COMING VEHICLE.
- THE RATE OF TRACTOR TRAVEL ON HILLSIDES, AND CURVES SHOULD ALWAYS BE SUCH THAT THERE IS NO DANGER OF TIPPING. AVOID SLOPES WHICH ARE TOO STEEP FOR SAFE OPERATION.
- ALWAYS DRIVE SLOWLY OVER ROUGH GROUND. DRIVE AT SPEEDS SLOW ENOUGH TO ENSURE YOUR SAFETY.
- AVOID SHARP UPHILL TURNS WHEN OPERATING ON HILLSIDES.
- WHEN DRIVING OUT OF A DITCH, GULLY OR UP A STEEP HILLSIDE, ENGAGE THE CLUTCH SLOWLY.
- KEEP ALL SAFETY SHIELDS IN PLACE WHEN OPERATING MACHINE.
- WHEN DESCENDING STEEP GRADES, SELECT A SUFFICIENTLY LOW GEAR TO MAINTAIN CONTROL WITH MINIMUM BRAKING.
- DO NOT LEAVE AN IMPLEMENT IN A RAISED POSITION WHEN IT IS NOT IN USE. ALWAYS LOWER THE IMPLEMENT TO THE GROUND. HYDRAULIC PRESSURE CAN CAUSE RUPTURE OF HOSES, RELEASE OF HIGH PRESSURE OIL AND SUBSEQUENT COLLAPSE OF IMPLEMENTS AND RELATED EQUIPMENT.
- ESCAPING HYDRAULIC OIL UNDER PRESSURE CAN CAUSE PERSONAL INJURY. IT CAN PENETRATE THE SKIN. BE SURE ALL CONNECTIONS ARE TIGHT AND THAT LINES AND HOSES ARE NOT DAMAGED. BEFORE DISCONNECTING HYDRAULIC LINES, RELIEVE ALL HYDRAULIC PRESSURE. DO NOT OVERFILL TANK.
- USE GLOVES AND A PIECE OF CARDBOARD OR WOOD WHEN SEARCHING FOR HYDRAULIC LEAKS.
- ADD COOLANT TO THE RADIATOR ONLY WHEN THE ENGINE IS STOPPED. TURN THE RADIATOR CAP SLIGHTLY TO ITS STOP TO RELIEVE PRESSURE BEFORE REMOVING THE CAP.
- NEVER REFUEL THE TRACTOR WHEN THE ENGINE IS HOT OR RUNNING. DO NOT SMOKE WHILE REFILLING THE FUEL TANK OR SERVICING THE FUEL SYSTEM. USE PRECAUTIONS IN HANDLING ANY TYPE OF TRACTOR FUEL. VAPORIZED DIESEL FUEL IS AS DANGEROUS AND VOLATILE AS GASOLINE. DO NOT OVERFILL.
- DO NOT SMOKE AND AVOID OPEN FLAMES WHEN FILLING BATTERIES.
- CARE MUST BE OBSERVED WHEN TURNING WITH IMPLEMENTS. LIFT THEM FROM THE GROUND DURING TURNS — SIDE THRUST COULD DAMAGE TIRE SIDEWALLS.
- AVOID JERKY OR SUDDEN TURNS, STARTS, OR STOPS. OPERATE THE TRACTOR SMOOTHLY.
- KEEP YOUR EYES OPEN. WATCH WHERE YOU ARE GOING, ESPECIALLY AT ROW ENDS, ROAD SLOPES AND AROUND OBJECTS SUCH AS TREES, POLES AND TOWERS.
- USE STEPS AND HANDHOLDS WHEN DISMOUNTING AND MOUNTING TRACTOR.
- DO NOT JUMP FROM TRACTOR. THERE IS A DANGER OF CATCHING YOUR CLOTHING ON PROTRUDING PARTS OR LANDING ON UNEVEN SURFACES.
- WHEN POSSIBLE, DO NOT DRIVE NEAR THE EDGE OF A DITCH OR A GULLY.



- REMOVE MUD, CROP RESIDUE, CHAINS AND TOOLS FROM STEPS AND OPERATOR'S PLATFORM. THEY MAY INTERFERE WITH PEDAL OPERATION OR ENTRY/EXIT FROM TRACTOR.

- BE SURE TO KEEP OPERATOR'S PLATFORM CLEAR OF ANY MUD AND DEBRIS WHICH COULD INTERFERE WITH OPERATION OF CONTROLS.

- DO NOT OPERATE TRACTOR WHEN FATIGUED — TAKE A REST. AN AWAKE DRIVER IS A SAFE DRIVER.

- OPERATE ALL CONTROLS ONLY IN THE OPERATOR'S SEAT. BEFORE STARTING TRACTOR, MAKE SURE ALL OPERATING CONTROLS ARE IN NEUTRAL POSITIONS.

- NEVER OPERATE MACHINE AT HIGH SPEEDS IN CROWDED AREAS. THIS PRACTICE MAY RESULT IN DAMAGE TO MACHINE AND INJURY TO THE OPERATOR.

- THE AIR FILTERS IN THE CAB ARE NOT DESIGNED TO FILTER OUT HARMFUL CHEMICALS. WHEN USING AGRICULTURAL CHEMICALS, FOLLOW INSTRUCTIONS IN THE IMPLEMENT OPERATOR'S MANUAL, CHEMICAL MANUFACTURER'S INFORMATION AND OF YOUR AGRICULTURAL REPRESENTATIVE.

- NEVER START TRACTOR WITH P T O CLUTCH ENGAGED.

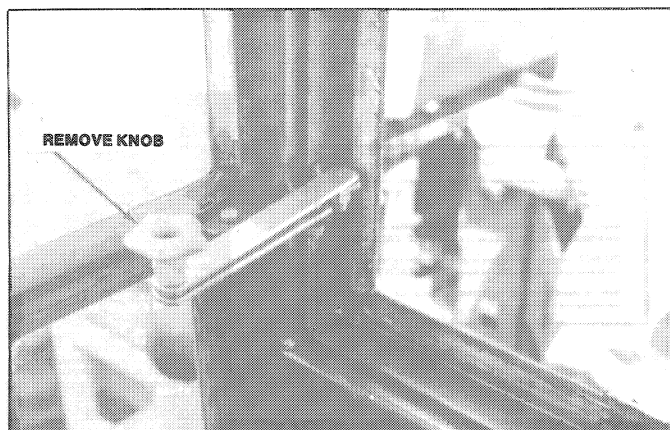
- ENSURE THAT RANGE SELECT LEVER AND GEAR SHIFT LEVER ARE IN NEUTRAL, AND EMERGENCY BRAKE IS SET PRIOR TO USING P T O IN A STATIONARY POSITION.

- TAKE SPECIAL CARE IN HOOK-UP OF IMPLEMENT TO P T O

- ENSURE ALL GUARDS ARE IN PLACE WHILE OPERATING P T O

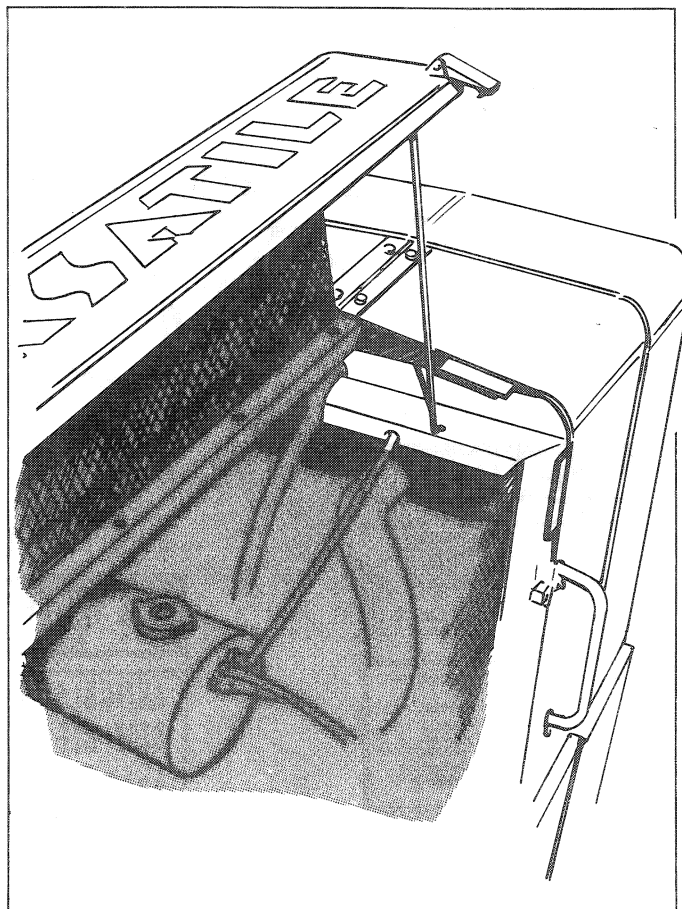
## EMERGENCY EXIT

The tractor cab has two exits of which either may be used in emergencies or roll-overs. The door is one exit and the other exit is the window on the righthand front corner of cab. The window is opened by unscrewing the knob which holds the two arms together. Separate arms and push window open.



**Emergency Exit**

## ENGINE HOOD



Use the brace rod to hold engine compartment hood open before servicing it.

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